

*The Pelagic Fauna of the Lakes of Auvergne.*

By M. JULES RICHARD.

M. Jules Richard has printed a tabular statement of the pelagic fauna of the Lakes of Auvergne which is of much interest in connexion with the increased attention now being paid to the inhabitants of the deeper parts of lakes in Europe and elsewhere. It is as follows:—

Names of Species. (The pelagic species are marked with an asterisk.)	Lake Pavin.	Lake Chambon.	Lake de Guéry.	Lake Montcineyre.	Lake Bourdouze.
* <i>Daphnia longispina</i> , <i>Leydig</i> . . . . .	*****	..	**	*	***
* <i>Hyalodaphnia cucullata</i> , <i>Sars</i> , var. <i>apicata</i> , <i>Kurz</i> . . . . .	..	*****			
<i>Polyphemus pediculus</i> , <i>de Geer</i> . . . . .	*				
* <i>Daphnella Brandtiana</i> , <i>Fischer</i> . . . . .	..	***	..	..	***
* <i>Holopedium gibberum</i> , <i>Zaddach</i> . . . . .	..	..	*****	***	
<i>Sida crystallina</i> , <i>O. F. Müller</i> . . . . .	..	..	..	*	*
* <i>Ceriodaphnia pulchella</i> , <i>Sars</i> . . . . .	..	..	..	*****	***
* <i>Bosmina longirostris</i> , <i>O. F. Müller</i> . . . . .	..	*	*****	**	***
<i>Alona affinis</i> , <i>Leydig</i> . . . . .	*	..	..	***	**
<i>Acroperus leucocephalus</i> , <i>Koch</i> . . . . .	..	..	..	..	*
<i>Chydorus sphaericus</i> , <i>Jurine</i> . . . . .	..	..	..	..	*
* <i>Diaptomus caeruleus</i> , <i>Fischer</i> . . . . .	*****	..	..	*****	*****
* <i>Cyclops strenuus</i> , <i>Fischer</i> . . . . .	*****	*****	*****	..	*****
— <i>coronatus</i> , <i>Claus</i> . . . . .	..	..	..	*****	***
* <i>Ceratium longicorne</i> , <i>Perty</i> . . . . .	..	..	..	**	**
* <i>Conochilus volvox</i> , <i>Ehrenberg</i> . . . . .	*****	..	..	***	
* <i>Anuræa longispina</i> , <i>Kellicott</i> . . . . .	*****	**			
— <i>cochlearis</i> †, <i>Gosse</i> . . . . .	..	..	..	*	*
— <i>curvicornis</i> †, <i>Ehrenberg</i> . . . . .	..	***			
* <i>Asplanchna helvetica</i> , <i>Imhof</i> . . . . .	..	..	****	..	*****
*— <i>Girodi</i> , <i>de Guerne</i> . . . . .	..	***			
<i>Atax crassipes</i> , <i>O. F. Müller</i> . . . . .	..	..	..	*	
<i>Alona versicolor</i> , <i>O. F. Müller</i> . . . . .	..	..	..	*	
<i>Nesæa reticulata</i> , <i>Kramer</i> . . . . .	..	*			
— <i>rotunda</i> , <i>Kramer</i> . . . . .	..	..	..	..	*

The asterisks placed in the columns indicate by their number the relative rarity or abundance of the species.

† These *Anuræa* were found in the stomachs of *Asplanchna*; the author has rarely found them free. This may be due to the meshes of the net used not being fine enough.